INTERNATIONAL SEARCH REPORT	International application No.
	PCT/AU2004/001507

A.   CLASSIFICATION OF SUBJECT MATTER

Int. Cl.[7]:   G06K 9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B.   FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
DWPI, PCT, USPTO, IEEE, internet (support vector, SVM, kernel, linearly independent, reduced, etc.)

C.   DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Downs, T. et al, *Exact Simplification of Support Vector Solutions* Journal of Machine Learning Research, vol. 2, December 2001, pp. 293-7 http://www.jmlr.org/papers/volume2/downs01a/downs01a.pdf	1-18
A	Lee, Y.- J. et al, *RSVM: Reduced Support Vector Machines* First SIAM International Conference on Data Mining, 2001 http://www.siam.org/meetings/SDM01/pdf/sdm01_13.pdf	1-18
A	Fung, G. M. et al, *Minimal Kernel Classifiers* Journal of Machine Learning Research, vol. 3, no. 2, 2002, pp. 303-21 http://www.kernel-machines.org/jmlr/volume3/fung02a/fung02a.pdf	1-18
A	US 2003/0093393 A1 (MANGASARIAN et al), 15 May 2003 the whole document	1-18

☒ Further documents are listed in the continuation of Box C	☒ See patent family annex

* Special categories of cited documents:

"A"   document defining the general state of the art which is not considered to be of particular relevance

"E"   earlier application or patent but published on or after the international filing date

"L"   document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O"   document referring to an oral disclosure, use, exhibition or other means

"P"   document published prior to the international filing date but later than the priority date claimed

"T"   later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"   document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"   document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"   document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
30 November 2004	1 3 DEC 2004

Name and mailing address of the ISA/AU	Authorized officer
AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929	MATTHEW HOLLINGWORTH Telephone No : (02) 6283 2024

C (Continuation).   DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,134,344 A (BURGES), 17 October 2000 the whole document	1-18

INTERNATIONAL SEARCH REPORT

Information on patent family members

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member					
US	2003093393	NONE					
US	6134344	CA	2238164	EP	0887761	JP	11073406

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX